

Marine Science Review – Navigation and Historical Oceanography

- A. Study all notes from the power points
- B. Study vocabulary WOD
- C. Refer to you textbook Chapter 2, which also available online

Try these review questions. They are examples of what to expect on the quiz but do not include everything we covered.

1. Latitude measures

- A. time of day
- B. distance from the equator
- C. distance from the Prime Meridian
- D. elevation above sea level

2. The total number of time zones on Earth is

- A. 12
- B. 15
- C. 24
- D. 360

3. Time zones are needed because

- A. it would be unwise for us to share the same time as other countries
- B. people in California like to sleep later
- C. the Earth rotates, so different locations receive the sun at different times
- D. temperature changes throughout the year

4. One degree of longitude is equal to _____ degrees.

5. Scientists changed their beliefs about the ocean based upon exploration. Which of the following shows the order of expeditions that have occurred over time?

- A. Beagle, Cook, Challenger, and Vikings
- B. Vikings, Challenger, Cook, and Beagle
- C. Cook, Vikings, Beagle, and Challenger
- D. Vikings, Cook, Beagle, and Challenger

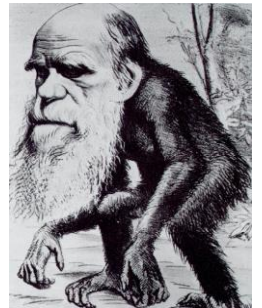
6. As a result of his observations during the H.M.S. *Beagle* expedition, Darwin proposed

- a. the theory of natural selection and the theory of evolution of species.
- b. the theory of Galapagos current formation.
- c. the theory of coral extinction.
- d. the theory of natural selection and the theory of species migration.

7. A parallel is another name for _____. The 0° parallel is called _____.

- a. a latitude line, the equator
- b. an equator, the prime meridian
- c. a latitude line, the prime meridian
- d. a longitude line, the equator

8. A meridian is another name for _____. The 0° meridian runs through _____.



- a. a latitude line, the widest part of the Earth
- b. a latitude line, Greenwich England
- c. a longitude line, the widest part of the Earth
- d. a longitude line, Greenwich England

9. The expedition commonly recognized as the first devoted entirely to marine science is
- a. the first Cook expedition.
 - b. the United States Exploring Expedition.
 - c. the *Beagle* expedition.
 - d. the first *Challenger* expedition.

10. The noted discovery made by the second H.M.S. *Challenger* was
- a. the Challenger Deep.
 - b. the deepest known point in the ocean.
 - c. Antarctica.
 - d. both a and b.



Second *Challenger* expedition - 1950s